

JOB TITLE: Utility Worker II (Wastewater)
EMPLOYEE:
VRC: Evelyn Takei, MA, CRC, CCM

DOT#: 955.687-010
CLAIM #



KING COUNTY ON SITE JOB ANALYSIS

JOB TITLE Utility Worker II (Wastewater)

JOB CLASSIFICATION Utility Worker II

DOT TITLE Sewage Disposal Worker

DOT NUMBER 955.687-010

DEPARTMENT Natural Resources and Parks

DIVISION Wastewater

OF POSITIONS IN THE DEPARTMENT WITH THIS JOB TITLE 5

ADDRESS OF WORKSITE

1400 Utah Street West
Seattle, WA 98199

CONTACT'S NAME Al Williamson or Tim Bazzar

CONTACT'S PHONE 206-263-3833 or 206-684-2406

CONTACT'S JOB TITLE Supervisor

DATE COMPLETED 3/29/07 reviewed 9/2/08

WORK HOURS 4 10-hour shifts from 6:00am to 4:30pm or 5 8-hour shifts from 6:00am to 2:30pm; with a 30 minute lunch.

OVERTIME (Note: Overtime requirements may change at the employer's discretion) Required on an emergency basis.

JOB DESCRIPTION

Performs a wide variety of routine manual work in the maintenance and repair of wastewater buildings and grounds. Assists skilled craftsman in the shop and the field.

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ESSENTIAL ABILITIES FOR ALL KING COUNTY JOB CLASSIFICATIONS

1. Ability to demonstrate predictable, reliable, and timely attendance.
2. Ability to follow written and verbal directions and to complete assigned tasks on schedule.
3. Ability to read, write & communicate in English and understand basic math.
4. Ability to learn from directions, observations, and mistakes, and apply procedures using good judgment.
5. Ability to work independently or part of a team; ability to interact appropriately with others.
6. Ability to work with supervision, receiving instructions/feedback, coaching/counseling and/or action/discipline.

JOB SPECIFIC REQUIREMENTS

Valid Washington State Driver's License with an acceptable record, successful completion of a pre-employment physical exam as well as perceptual ability and problem solving tests. The test may include activities such as assembling and disassembling pipes, lifting sandbags, shoveling, using a wheelbarrow, using light electrical tools (such as a drill), and ladder usage as well as removing damaged light bulbs and installing a new light bulb. Some positions may require a commercial driver's license. For some positions, successful completion of a pre-employment respiratory medical evaluation questionnaire and pulmonary function test is required.

ESSENTIAL FUNCTIONS Listed in order of importance

1. Cleans and carries out general preventative maintenance on buildings and grounds at wastewater treatment plant and associated facilities.
2. Operates a variety of equipment, machinery and/or vehicles such as hand and power tools, power and riding lawnmowers, landscape equipment, tractors, forklifts, cranes, vacuum trucks, back hoes, portable pumps, dump trucks, etc.
3. Performs light gardening and basic carpentry, plumbing, painting, cleaning and custodial tasks, such as hosing, sweeping, mopping, washing windows, mowing, changing light bulbs, etc.
4. Provides manual assistance to journey-level trade workers who perform gardening, carpentry, plumbing, painting, and custodial work.
5. Participates in continuing education, safety and training programs in support of the buildings and
6. Trains other personnel in laboring tasks, procedures and equipment operation.
7. Works with and around chemicals associated with maintaining wastewater facilities and grounds, such as cleaning agents, solvents, fertilizers, herbicides, etc.
8. Performs work according to business and team standards.
9. Performs all essential duties in compliance with safety guidelines, policies

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and regulations.

10. May be assigned to work alternative schedules or occasional nights and/or weekends on an emergency basis.

11. Maintains daily written and/or computerized logs and completes work requests on assignments.

12. Performs other duties as assigned.

TOOLS, MACHINES, EQUIPMENT, PRODUCTS, AND SERVICES USED

Hard hat, eye protection, ear protection, fall protection, foot protection (steel toe or rubber boots), gloves, rain gear and breathing protection including air fed and self contained breathing apparatuses.

Shovel, broom, hoses, light bulbs, pressure washer, filters, truck, dump truck, forklift, pump, sewer cleaner, steam cleaner, cart, garden tractor, all-terrain vehicle (ATV), drill, hand tools, grinder, sawsall, handsaw, skill saw, chainsaw, pneumatic air wrench, crane, back hoe, wrenches, hacksaw, computer, edge trimmer, blower, power lawnmower, riding lawnmower, heating ventilation and air conditioning (HVAC) filters.

PHYSICAL DEMANDS AS JOB IS TYPICALLY PERFORMED

Continuously = occurs 66-100% of the time

Frequently = occurs 33-66% of the time

Occasionally = occurs 1-33% of the time

Rarely = may occur less than 1 % of the time

Never = does not ever occur (such demands are not listed)

This job is classified as

Very Heavy--exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

Standing

Continuously on flat linoleum, flat cement, steep inclines, uneven ground, thick vegetation and wet/slippy surfaces for up to 2 hours at a time for up to 8 hours total in a work shift. Most commonly occurs while shoveling, cleaning with a fire hose and cleaning a digester.

Walking

Continuously on flat linoleum, flat cement, steep inclines, uneven ground, thick vegetation and wet/slippy surfaces for distances of up to 1 mile for up to 30 minutes at a time for up to 9 hours total in a work shift. Most commonly occurs while moving from building to building, performing the fire extinguisher checklist and performing emergency lighting duties.

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Sitting

Frequently to Continuously on an automobile seat, office chair or conference room chair for up to 2 hours at a time for up to 9-hours total in a work shift. Most commonly occurs while driving, performing vactor truck duties, performing data entry and retrieval as well as attending training and meetings. The employee is required to attend 50+ hours of training per year, which may require sitting in a chair for up to 10 hours in a shift.

Climbing stairs

Occasionally for up to 2 minutes at a time while climbing up to 4 flights at a time for up to 30 minutes total in a work shift. Most commonly occurs while entering and exiting the Solids building. Employee may carry a box of HVAC filters when climbing stairs.

Climbing

Occasionally on ladders to heights of 30 feet for up to 3 minutes at a time for up to 20 minutes total in a work shift. Most commonly occurs while cleaning/pressure washing tanks.

Balancing

Continuously on wet/slippy surfaces, uneven ground, steep slopes and ladders for up to 3 hour sat a time for up to 9 hours total in a work shift. Most commonly occurs while carrying gear on a hillside with thick vegetation and cleaning tanks.

Bending neck up

Frequently & Highly Repetitive for up to 2-3 minutes at a time for up to 6 hours total in a work shift. Most commonly occurs while climbing ladders, replacing light bulbs, locating items on upper shelves, pressure washing, using hoists and setting up ladders.

Bending neck down

Continuously & Highly Repetitive for up to 2 hours at a time for up to 9 hours total in a work shift. Most commonly occurs while washing, cleaning tanks and operating a fire hose.

Bending/Stooping

Frequently on wet/slippy surfaces, uneven ground and steep slopes for up to 10 minutes at a time for up to 4-5 hours total in a work shift. Most commonly occurs while weeding, wrapping hoses and shoveling.

Kneeling

Frequently on wet/slippy surfaces, uneven ground and steep slopes for up to 10 minutes at a time for up to 4-5 hours total in a work shift. Most commonly occurs while weeding, replacing HVAC filters, wrapping hoses and shoveling.

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Squatting

Frequently on wet/slippy surfaces, uneven ground and steep slopes for up to 10 minutes at a time for up to 4-5 hours total in a work shift. Most commonly occurs while weeding, wrapping hoses and shoveling.

Crawling

Occasionally on flat cement surfaces for distances of up to 20 feet for up to 1 minute at a time for up to 1 hour total in a work shift. Most commonly occur while replacing HVAC filters, cleaning floor drains and weeding.

Operating Controls with Feet

Continuously for up to 3 hours at a time for up to 9 hours total in a work shift while driving a truck, tractor, material mover, pickup, back hoe, dump truck, vacuum truck and an ATV.

Reaching above shoulder height

Frequently for up to 2-3 minutes at a time for up to 6 hours total in a work shift while changing lights, removing lighting covers and pressure washing.

Reaching at waist to shoulder height

Continuously & Highly Repetitive for up to 3 hours at a time for up to 9 hours total in a work shift while driving a vehicle, operating a fire hose, using a weed eater, pressure washing, operating hand and power tools.

Reaching at knee to waist height

Continuously & highly repetitive for up to 3 hours at a time for up to 8 hours total in a work shift while using a wheelbarrow, shoveling, replacing HVAC filters and pressure washing.

Reaching at floor to knee height

Frequently & highly repetitive on wet/slippy surfaces, uneven ground and steep slopes for up to 10 minutes at a time for up to 4-5 hours total in a work shift. Most commonly occurs while weeding, replacing HVAC filters, wrapping hoses and shoveling.

Lifting 1-10 pounds

Continuously & highly repetitive for up to 1.5 hours at a time for up to 8 hours total in a work shift. Most commonly occurs with weights of 7-8 pounds while pressure washing, manipulating a fire hose and using hand tools.

Carrying 1-10 pounds

Continuously for distances of up to 1/4 mile for up to 3 hours at a time for up to 9 hours total in a work shift. Most commonly occurs with weights of 3-8 tools, using various hoses and carrying a 2-way radio.

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Lifting 1 1-20 pounds

Frequently for up to 2-3 minutes at a time for up to 5 hours total in a work shift. Most commonly occurs with weights of 15-17 pounds while shoveling as well as loading and unloading hoses, buckets, and power tools.

Carrying 11 -20 pounds

Occasionally for distances of up to 150 feet for up to 5 minutes at a time for up to 4 hours total in a work shift. Most commonly occurs with weights of 15-17 pounds while transporting hoses and boxes of HVAC filters.

Lifting 21-50 pounds

Occasionally for 3-5 seconds at a time for up to 5 minutes total in a work shift. Most commonly occurs with weights of 30-45 pounds while loading and unloading ladders, pallets and hoses.

Carrying 21-50 pounds

Occasionally for distances of up to 1/4 mile for up to 20 minutes at a time for up to 2 hours total in a work shift. Most commonly occurs with weights of 30 pounds.

Lifting 51-100 pounds

Rare for up to 3-5 seconds at a time for up to 2 minutes total in a work shift. Most commonly occurs with weights of 60-80 pounds while lifting manholes and drainage grates. **The above may be performed as a two-person lift depending on the availability of other coworkers/staff. Lifting/carrying assistance is available ie, carts, cranes, lifts, pulleys, forklifts, trucks, and tractors.

Carrying 51-100 pounds

Occasionally for distances of up to 150 feet for up to 3 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs with weights of 60-80 pounds while carrying flex lines, hydraulic lines and bags of garbage. **The above may be performed as a two-person lift depending on the availability of other coworkers/staff. Lifting/carrying assistance is available ie, carts, cranes, lifts, pulleys, forklifts, trucks, and tractors.

Lifting 100+ pounds

Rare for up to 30 seconds at a time for up to 30 seconds total in a work shift. Most commonly occurs 1 time per year with weights of 150-200 pounds while lifting a pump or reel of flex line. There is assistance available for this lifting. **The above may be performed as a two-person lift depending on the availability of other coworkers/staff. Lifting/carrying assistance is available ie, carts, cranes, lifts, pulleys, forklifts, trucks, and tractors.

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Carrying 100+ pounds

Rare for distances up to 15 feet for up to 30 seconds at a time for up to 30 seconds total in a work shift. Most commonly occurs 1 time per year with weights of 150-200 pounds while lifting a pump or reel of flex line. There is assistance available for this carrying. **The above may be performed as a two person lift depending on the availability of other coworkers/staff. Lifting/carrying assistance is available ie, carts, cranes, lifts, pulleys, forklifts, trucks, and tractors.

Pushing and Pulling

Occasionally for distances of up to 200 feet for up to 3 minutes at a time with a force of up to 100 pounds for up to 3 hours total in a work shift while pushing and pulling flex lines. Worker also pushes and pulls brooms, shovels, pressure washer, wheelbarrow, digester hoses, and hydraulic hoses with up to 30 pounds of pressure.

Handling

Continuously & highly repetitive for up to 3 hours at a time for up to 9 hours total in a work shift while pressure washing, driving, digging, and using power and hand tools.

Operating Controls with Hands

Continuously & highly repetitive for up to 3 hours at a time for up to 9 hours total in a work shift while pressure washing, driving, performing vector truck duties and using hand tools.

Fingering

Frequently for up to 15 minutes at a time for up to 5 hours total in a work shift while writing, keyboarding, replacing light bulbs, replacing HVAC filters, performing data entry, using the computer mouse, performing paperwork and assembling pumps.

Feeling

Rare for 3 seconds at a time for up to 1 minute total in a work shift while feeling pipes, pumps and equipment for overheating.

Talking

Occasionally for up to 5 minutes at a time for up to 2 hours total in a work shift while attending meeting, conversing with superiors and co-workers, ordering parts and using the 2-way radio.

Hearing

Continuously for up to 3 hours at a time for up to 9 hours total in a work shift while driving as well as listening for moving machines, back-up sirens, alarms, faulty machinery and other safety hazards.

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Seeing

Continuously for up to 3 hours at a time for up to 9 hours total in a work shift while reading gauges, instructions, and checklists. The employee also uses vision when driving and watching for safety hazards as well as identifying the color of alarm beacons and valve covers. The employee may need to utilize night vision when working before dawn or after sunset.

Working with Heightened Awareness

Continuously for up to 3 hours at a time for up to 9 hours total in a work shift while identifying safety hazards such as moving machinery, spills, chemical exposures, hazardous materials and fall potentials. The employee also uses heightened awareness when identifying various alarm beacons.

ENVIRONMENTAL FACTORS

Work is performed in an industrial wastewater setting where the worker is exposed to or in close proximity to heavy operating machinery, high voltage, sewage, adverse weather conditions, uneven surfaces, cat walks/metal grating, noxious or toxic gasses and chemicals, as well as loud noises. The noise level is quiet to very loud. Hearing protection, eye protection, breathing protection and hard hats are required in some areas.

The noise level is

Approximately 47-114 decibels. The noise is caused by various power tools, jackhammer, large machinery, trucks and cogeneration raw sewage engines.

Work environment may include the following exposure(s):

Outside weather: Continuously
Non-weather related temperatures below 55 degrees: Frequently
Non-weather related temperatures above 75 degrees: Occasionally
Wet: Continuously
Humidity/dampness: Continuously
Fumes: Frequently
Odors: Continuously
Dusts: Frequently
Mists: Frequently
Gases: Frequently..
Moving mechanical parts: Continuously
Vibration: Frequently-Continuously
Working in high, exposed places: Frequently
Working with explosives: Occasionally
Toxic or caustic chemicals: Occasionally
Confined spaces: Occasionally
HCP Initials if Restricted

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POTENTIAL MODIFICATIONS TO JOB

Utilize lifts on trucks, tommy lifts, forklifts, chain falls, hoists and cranes to reduce lifting. Use a lift truck when possible to reduce some climbing tasks.

Signature & title of evaluator

Date

Signature & title of contact

Date

Signature & title of employee

Date

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HEALTH CARE PROVIDER SECTION

Check all that apply

☐ The employee is released to perform the described duties without restrictions on performance or work hours.

☐ The employee is released to perform the described duties on a reduced schedule. The recommended schedule is:

☐ Temporary until _____ ☐ Permanent as of _____

☐ The employee is released to perform the described job with the following modifications:

☐ Temporary until _____ ☐ Permanent as of _____

☐ The employee is not released to perform the described duties due to the following job functions:

☐ Temporary until _____ ☐ Permanent effective _____

☐ The employee is unable to work in any capacity.
A release to work is: ☐ anticipated by _____ ☐ Not expected

The limitations are due to the following objective medical findings:

Printed or typed name and phone number of Health Care Provider

Signature of Health Care Provider

Date